

<p>PTO-1449 REPRODUCED</p> <p>O I INFORMATION DISCLOSURE CITATION IN AN APPLICATION</p> <p>DEC 05 2003</p> <p>December 3, 2003</p> <p>(Use several sheets if necessary)</p>	ATTORNEY DOCKET NO. 3033.1003-001	APPLICATION NO. 09/909,348
	FIRST NAMED INVENTOR Darrell H. Carney	FILING DATE July 19, 2001
	EXAMINER Robinson, H.A.	CONFIRMATION NO. 3248
		GROUP 1653

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Hope Robinson

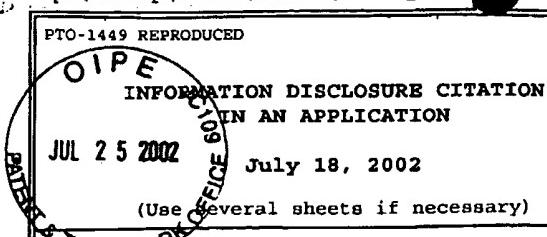
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION			APPLICANT Darrell H. Carney, et al.				
October 25, 2001 (Use several sheets if necessary)			FILING DATE July 19, 2001		GROUP Not assigned.		
PATENT DOCUMENTS							
EXAM- INER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
<input checked="" type="checkbox"/>	AA	5,352,664	10/04/94	Carney et al.	514	13	
<input checked="" type="checkbox"/>	AB	5,500,412	03/19/96	Carney et al.	514	13	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						
RECEIVED DEC 12 2001 TECH CENTER 1600/2900							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<input checked="" type="checkbox"/>	AR	O'Connor, W.J., et al., "The Use of Growth Factors in Cartilage Repair," <i>Orthopedic Clinics of North America</i> , 31(3): 399-409 (2000).					
	AS	Frenkel, S.R., et al., "Transforming Growth Factor Beta Superfamily Members: Role in Cartilage Modeling," <i>Plastic and Reconstructive Surgery</i> , 105(3): 980-990 (2000).					
	AT	Sellers, R.S., et al., "Repair of Articular Cartilage Defects One Year After Treatment with Recombinant Human Bone Morphogenetic Protein-2 (rhBMP-2)," <i>J. of Bone & Joint Surgery</i> , 82(2): 151-160 (2000).					
	AU	Sanyal, A., et al., "Initial Evidence for the Involvement of Bone Morphogenetic Protein-2 Early during Periosteal Chondrogenesis," <i>J. of Orthopaedic Research</i> , 17(6): 926-934 (1999).					
	AV	Louwerse, R.T., et al., "Use of Recombinant Human Osteogenic Protein-1 for the Repair of Subchondral Defects in Articular Cartilage in Goats," <i>J. of Biomedical Materials Res.</i> , 49(4): 506-516 (2000).					
	AW	Nixon, A.J., et al., "Enhanced Repair of Extensive Articular Defects by Insulin-Like Growth Factor-I-Laden Fibrin Composites," <i>J. of Orthopaedic Res.</i> , 17: 475-487 (1999).					
	AX	Fujimoto, E., et al., "Beneficial Effect of Basic Fibroblast Growth Factor on the Repair of Full-Thickness Defects in Rabbit Articular Cartilage," <i>Archives of Orthopaedic and Trauma Surgery</i> , 119(3-4): 139-145 (1999).					
<input checked="" type="checkbox"/>	AY	Koepf, H.E., et al., "Osteogenic Protein-1 (OP-1) Blocks Cartilage Damage Caused by Fibronectin Fragments and Promotes Repair by Enhancing Proteoglycan Synthesis," <i>Inflammation Res.</i> , 48(4): 199-204 (1999).					
EXAMINER <i>George Robinson</i>			DATE CONSIDERED <i>5/28/03</i>				

PTO-1449 REPRODUCED			ATTORNEY DOCKET NO. 3033.1003-001		APPLICATION NO. 09/909 348		
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION October 25, 2001 (Use several sheets if necessary)			APPLICANT Darrell H. Carney, et al.		RECEIVED DEC 12 2001		
			FILING DATE July 19, 2001	GROUP Not assigned TECH CENTER 1600/2900			
U. S. PATENT DOCUMENTS							
EXAM- INER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AZ ✓	Hogervorst, T., et al., "The Effect of a TCP-Collagen Implant on the Healing of Articular Cartilage Defects in the Rabbit Knee Joint," <i>J. of Applied Biomaterials</i> , 3: 251-258 (1992).						
AR2 ✓	Reddi, A.H., "Cartilage-Derived Morphogenetic Proteins and Cartilage Morphogenesis," <i>Microscopy Res. & Technique</i> , 43(2): 131-136 (1998).						
AS2 ✓	Stiernberg, J., et al., "The Role of Thrombin and Thrombin Receptor Activating Peptide (TRAP-508) in Initiation of Tissue Repair," <i>Thrombosis and Haemostasis</i> , 70(1): 158-162 (1993).						
AT2 ✓	Carney, D.H., et al., "Enhancement of Incisional Wound Healing and Neovascularization in Normal Rats by Thrombin and Synthetic Thrombin Receptor-Activating Peptides," <i>J. Clin. Invest.</i> 89: 1469-1477 (1992).						
AU2 ✓	Carney, D.H., et al., "Role of High-Affinity Thrombin Receptors in Postclotting Cellular Effects of Thrombin," <i>Seminars in Thrombosis and Hemostasis</i> , 18(1): 91-102 (1992).						
AV2 ✓	Stiernberg, J., et al., "Acceleration of Full-Thickness Wound Healing in Normal Rats by the Synthetic Thrombin Peptide, TP508," <i>Wound Repair and Regeneration</i> , 8(3): 204-215 (2000).						
AW2 ✓	Sower, L.E., et al., "Thrombin Peptide, TP508, Induces Differential Gene Expression in Fibroblasts Through a Nonproteolytic Activation Pathway," <i>Experimental Cell Res.</i> , 247: 422-431 (1999).						
AX2 ✓	Glenn, K.C., et al., "Synthetic Peptides Bind to High-Affinity Thrombin Receptors and Modulate Thrombin Mitogenesis," <i>The J. of Peptide Application, Synthesis and Analysis</i> , 1(2): 65-73 (1988).						
AY2 ✓	Carney, D.H., "Postclotting Cellular Effects of Thrombin Mediated by Interaction With High-Affinity Thrombin Receptors," in <i>Thrombin: Structure and Function</i> , ed. Lawrence J. Berliner. Plenum Press, New York, 351-396, 1992.						
EXAMINER <i>John D. Shireman</i>	DATE CONSIDERED <i>12/20/02</i>						

INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION		ATTORNEY DOCKET NO. 3033.1003-001	APPLICATION NO. 09/909,348				
October 25, 2001 (Use several sheets if necessary)		APPLICANT Darrell H. Carney, et al.					
		FILING DATE July 19, 2001	GROUP TECH CENTER 1600/2900 Not assigned.				
U. S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AZ2✓		Nishida, Y., et al., "Osteogenic protein-1 promotes the synthesis and retention of extracellular matrix within bovine articular cartilage and chondrocyte cultures," <i>Osteoarthritis and Cartilage</i> , 8: 127-136 (2000).					
AR3✓		Crowther, R.S., et al., "Thrombin Peptide TP508 Significantly Accelerates Repair of Fresh Fractures," <i>Distributed at Texas Mineralized Tissue Society</i> , Austin, Texas. August 1998.					
AS3✓		Simmons, D.J., et al., "Acceleration of Rat Femoral Fracture Healing by a Synthetic Thrombin Peptide," <i>Calcium Metabolism: Comparative Endocrinology</i> . Proc Satellite Meeting, San Francisco, CA. Nov. 30, 1998. (Eds. C Dacke, J Danks, G Flik and C Gay). BioScientifica Ltd. Bradley Stoke, Bristol, UK. 1999.					
EXAMINER:		DATE CONSIDERED <i>Steve Johnson</i> <i>5/28/03</i>					

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 3033.1003-001		APPLICATION NO. 09/909,348	
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION January 10, 2002		APPLICANT Darrell H. Carney, et al.		RECEIVED FEB 05 2002	
		FILING DATE July 19, 2001		GROUP TECH CENTER 1600/29C	
U. S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS
FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>[Signature]</i>	AT3	Yang et al., "Accelerated Repair of Segmental Defects by a Synthetic Thrombin Peptide," Handout that was distributed at the Texas Mineralized Tissue Society Meeting, September, 1999.			
EXAMINER <i>Hope Robinson</i>		DATE CONSIDERED <i>5/28/03</i>			

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			FILING DATE July 19, 2001		GROUP 1653		
					JUL 29 2002		
TECH CENTER 1600/2000							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
<i>CPK</i>	AC	5,876,452	02 MAR 99	Athanasiou et al.	623	16	
<i>CPK</i>	AD	6,001,352	14 DEC 99	Boyan et al.	424	93.7	
	AE						
	AF						
	AG						
	AH						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
<i>ANR</i>	AL	WO 88/03151	05 MAY 88	PCT	—	—	
	AM						
	AN						
	AO						
	AP						
	AQ						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER		DATE CONSIDERED					
<i>Chope Johnson</i>		<i>5/28/03</i>					